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CR-136666

REMOTE SENSING OF OCEAN CURRENT BOUNDARY LAYER
EREP PROJECT 108

January 1974
Contract Number T-4713-B

(E74-10280) REMOTE SENSING OF OCEAN
CURRENT BOUNDARY LAYER Monthly Progress
Report, Jan. 1974 (National Oceanic and
Atmospheric Administration) 3 P HC \$3.00

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Principle Investigations Management Office
Lyndon B. Johnson Space Center

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National Oceanic & Atmospheric Administration
Atlantic Oceanographic & Meteorological Laboratories

MONTHLY REPORT



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES

ATLANTIC OCEANOGRAPHIC AND METEOROLOGICAL LABORATORIES
15 RICKENBACKER CAUSEWAY, VIRGINIA KEY
MIAMI, FLORIDA 33149

Date : 18 February 1974

To : Distribution List

From : George A. Maul

Subject: Monthly Progress Report, T-4713-B

This is the seventh report on project EREP 108, and it covers the month of January 1974.

A successful ship/aircraft/satellite experiment was conducted on January 8 along suborbital track 14. The observations were the same as reported last month except that a new spectroradiometer was employed; the borrowed NASA 1/4 meter Ebert was recalled in the middle of the experiment series, and a Gamma Scientific instrument had to be modified for use on the R/R VIRGINIA KEY. The edge of the current was found much further to the south than last year's field experience indicated it to be, and the aircraft track was probably too short. A second aircraft/satellite experiment was conducted on January 21 on track 62. This time the track extended from the Florida Keys to Cay Sal Bank, and had to include the current boundary, although no visual observations confirmed this. Processing of the ship data has begun in preparation to receiving ship and satellite data.

Recipients of the financial report are marked by an asterisk on the attached distribution list.

APPENDIX "A"

MONTHLY CONTRACTOR FINANCIAL MANAGEMENT REPORT

Contract Number NAS 9-T-4713-B

Contractor: DOC/NOAA/AOML
15 Rickenbacker Causeway
Miami, Florida 33149

Total Estimated Cost: \$ 73,000

Task Description: Remote Sensing of Ocean Current Boundary Layer

Prepared By: George A. Maul, P.I. Date: 2/18/74

	MOST RECENT Month.	CUMULATIVE TO DATE	ESTIMATED TOTAL
HOURS			
Investigator	<u>40</u>	<u>280</u>	<u>1560</u>
Other	<u>40</u>	<u>280</u>	<u>2080</u>
Total	<u>80</u>	<u>560</u>	<u>3640</u>
COSTS			
Labor	<u>1617</u>	<u>11,319</u>	<u>35000</u>
Material	<u>0</u>	<u>0</u>	<u>1000</u>
Data Processing	<u>100</u>	<u>700</u>	<u>12000</u>
Travel	<u>0</u>	<u>250</u>	<u>2000</u>
Equipment Rental	<u>0</u>	<u>0</u>	<u>3000</u>
Equipment Purchase	<u>0</u>	<u>0</u>	<u>0</u>
All Other	<u>1300</u>	<u>9100</u>	<u>20000</u>
Total	<u>3017</u>	<u>21369</u>	<u>73000</u>